

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Masahiro OSHIKIRI, et al.

SERIAL NO: NEW APPLICATION

GAU: UNASSIGNED

FILED: HEREWITH

EXAMINER: UNASSIGNED

FOR: BACKGROUND NOISE/SPEECH CLASSIFICATION METHOD, VOICED/UNVOICED CLASSIFICATION METHOD AND BACKGROUND NOISE DECODING METHOD, AND SPEECH ENCODING METHOD AND APPARATUS

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are available in parent application serial number 09/726,562, filed 12/01/2000, and grandparent application 09/012,792, filed 1/23/1998, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

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Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. <b>243352US2SRD DIV</b>		SERIAL NO. <b>NEW APPLICATION</b>	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT <b>Masahiro OSHIKIRI et al.</b>			
				FILING DATE <b>HEREWITH</b>		GROUP <b>UNASSIGNED</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,884,257	3-16-99	Maekawa et al.			
	AB	5,907,826	5-25-99	Takagi			
	AC	6,067,511	5/2000	Grabb et al.			
	AD	6,078,880	6/2000	Zinser, Jr. et al.			
	AE	6,081,776	6/2000	Grabb et al.			
	AF	6,094,629	7/2000	Grabb et al.			
	AG	6,098,036	8/2000	Zinser, Jr. et al.			
	AH	6,119,082	9/2000	Zinser, Jr. et al.			
	AI	6,138,092	10/2000	Zinser, Jr. et al.			
	AJ	6,202,046	3/2001	Oshikiri et al.			
	AK	6,330,533	12/2001	Su et al.			
	AL	5,745,871	4/1998	Chen			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AM	9-504124	4/22/97	JAPAN			X
	AN	62-238599	10/19/87	JAPAN			X
	AO	59-170894	9/27/84	JAPAN			X
	AP	7-181991	7/21/95	JAPAN			X
	AQ	1-502779	9/21/89	JAPAN			X
	AR	9-6397	1/10/97	JAPAN			X
	AS	61-25200	2/4/86	JAPAN			X
	AT	8-328588	12/13/96	JAPAN			X
	AU	9-34499	2/7/97	JAPAN			X
	AV	8-202398	8/9/96	JAPAN			X
	AW	8-305398	11/22/96	JAPAN			X
	AX	6-27996	2/4/94	JAPAN			X
	AY	6-161494	6/7/94	JAPAN			X
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AZ	Mei YONG, et al., "EFFICIENT ENCODING OF THE LONG-TERM PREDICTOR IN VECTOR EXCITATION CODERS", Advances in Speech Coding, Kluwer Academic Publishers, (1991), pages 329-338					
	AAA	D.K. FREEMAN, et al., "THE VOICE ACTIVITY DETECTOR FOR THE PAN-EUROPEAN DIGITAL CELLULAR MOBILE TELEPHONE SERVICE"; IEEE, Proc. ICASSP89, (1989), pages 369-372.					
							<input type="checkbox"/> Additional References sheet(s) attached
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							